IN THE CLAIMS:

1. (Original): A method for detecting leaked buffer writes between a first consistency point and a second consistency point, the method comprising:

   receiving a write operation directed to a file;

   creating a data buffer associated with the write operation; and

   writing a buffer check control structure to a raw data buffer associated with the data buffer.

2. (Currently Amended): The method of claim 1 wherein the step of creating the data buffer further comprises the step of creating ~~a~~ the buffer check control structure and ~~a~~ the raw data buffer.

3. (Currently Amended): The method of claim 2 wherein the buffer check control structure comprises a pointer to the raw data buffer.

4. (Original): The method of claim 1 wherein the step of writing the buffer check control structure to the raw data buffer further comprises the steps of:

   creating the buffer check control structure; and

   overwriting a portion of the raw data buffer with the buffer check control structure.

5. (Original): The method of claim 1 wherein the step of writing the buffer check control structure to the raw data buffer further comprises the steps of:

   creating the buffer check control structure; and

   associating the buffer check control structure to the raw data buffer in a contiguous block of memory.

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1   6. (Original): The method of claim 4 wherein the buffer check control structure com-

2   prises:

3   one or more magic numbers; and

4   a consistency point number.

1   7. (Original): The method of claim 6 wherein the one or more magic number comprises

2   a 64-bit value.

1   8. (Original): The method of claim 6 wherein one or more magic number values com-

2   prises two 32-bit values.

1   9. (Original): The method of claim 6 wherein the consistency point number identifies a

2   current consistency point.

1   10. (Original): The method of claim 6 wherein the consistency point number comprises

2   a 32-bit value.

1   11. (Currently Amended): A method for detecting leaked buffer writes between a first

2   consistency point and a second consistency point, the method comprising steps of:

3   selecting a data buffer;

4   determining if the selected data buffer includes a buffer check control structure;

5   determining, in response to the selected data buffer including a buffer check con-

6   trol structure, if a consistency point number within the buffer check control structure is

7   correct; and

8   performing, in response to determining that the consistency point number within

9   the buffer check control structure is correct, a write operation of ~~the~~ a file system buffer.

12. (Original): The method of claim 11 wherein the step of determining if the data buffer comprises a buffer check control structure further comprises a step of determining if one or more magic values are within the data buffer.

13. (Original): The method of claim 12 wherein one or more magic values comprise a 64-bit magic number.

14. (Original): The method of claim 12 wherein one or more magic values further comprises two 32-bit magic numbers.

15. (Original): The method of claim 11 wherein the step of determining if the consistency point number is correct further comprises the step of determining if the consistency point number within the buffer check control structure equals a consistency point number identifying a current consistency point.

16. (Original): The method of claim 11 wherein the step of performing a write operation further comprises a step of writing a set of raw data within the data buffer to disk.

17. (Original): The method of claim 16 wherein the raw data comprises the buffer check control structure.

18. (Currently Amended): The method of claim 16 wherein the step of performing the write operation further comprises a step of removing the buffer check control structure from the raw data before writing the file system buffer to disk.

19. (Original): The method of claim 16 wherein the step of performing the write operation comprises the step of writing only the raw data within the file system buffer to disk.

1   20. (Currently Amended): A system for detecting leaked buffer writes between a first

2   consistency point and a second consistency point, the system comprising:

3   means for receiving write operations;

4   means for creating a data buffer associated with the <u>write operations</u> ~~file~~; and

5   means for writing a buffer check control structure to a raw data buffer associated

6   with the data buffer.

Please add new claims 21, et seq. as follows:

1   21. (New): A computer readable media, comprising:

2   the computer readable media containing instructions for execution on a processor

3   for the practice of a method of detecting leaked buffer writes between a first consistency

4   point and a second consistency point, the method having the steps of, receiving a write

5   operation directed to a file;

6   creating a data buffer associated with the write operation; and

7   writing a buffer check control structure to a raw data buffer associated with the

8   data buffer.

1   22. (New): An apparatus configured to detect leaked buffer writes between a first consis-

2   tency point and a second consistency point, the apparatus comprising:

3   a storage system to receive write operations;

4   a data buffer created to associate with the write operations; and

5   a buffer check control structure to write to a raw data buffer associated with the

6   data buffer.

1   23. (New): The apparatus of claim 22 wherein the data buffer created to associate with

2   the write operations comprises the buffer check control structure and the raw data buffer.

1   24. (New): The apparatus of claim 23 wherein the buffer check control structure com-

2   prises a pointer to the raw data buffer.

1   25. (New): The apparatus of claim 22 wherein the buffer check control structure to write

2   to a raw data buffer associated with the data buffer further comprises the buffer check

3   control structure to overwrite a portion of the raw data buffer.

26. (New): The apparatus of claim 22 wherein the buffer check control structure to write to the raw data buffer further comprises the buffer check control structure to associate with the raw data buffer in a contiguous block of memory.

27. (New): The apparatus of claim 26 wherein the buffer check control structure comprises:

        one or more magic numbers; and

        a consistency point number.

28. (New): The apparatus of claim 27 wherein the one or more magic number comprises a 64-bit value.

29. (New): The apparatus of claim 27 wherein one or more magic number values comprises two 32-bit values.

30. (New): The apparatus of claim 27 wherein the consistency point number is configured to identify a current consistency point.

31. (New): The system of claim 27 wherein the consistency point number comprises a 32-bit value.